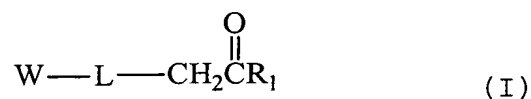


## A B S T R A C T

The invention relates to a functionalized compound of general formula (I):



in which

W represents a nucleotide analog,

L represents a linker arm comprising at least four atoms,

R<sub>1</sub> represents a linear or branched alkyl chain,

A functionalized polynucleotide comprising at least one said compound and a labeled functionalized polynucleotide comprising at least one functionalized compound corresponding to the formula (I').

A method for detecting a target nucleic acid using a said compound is described.